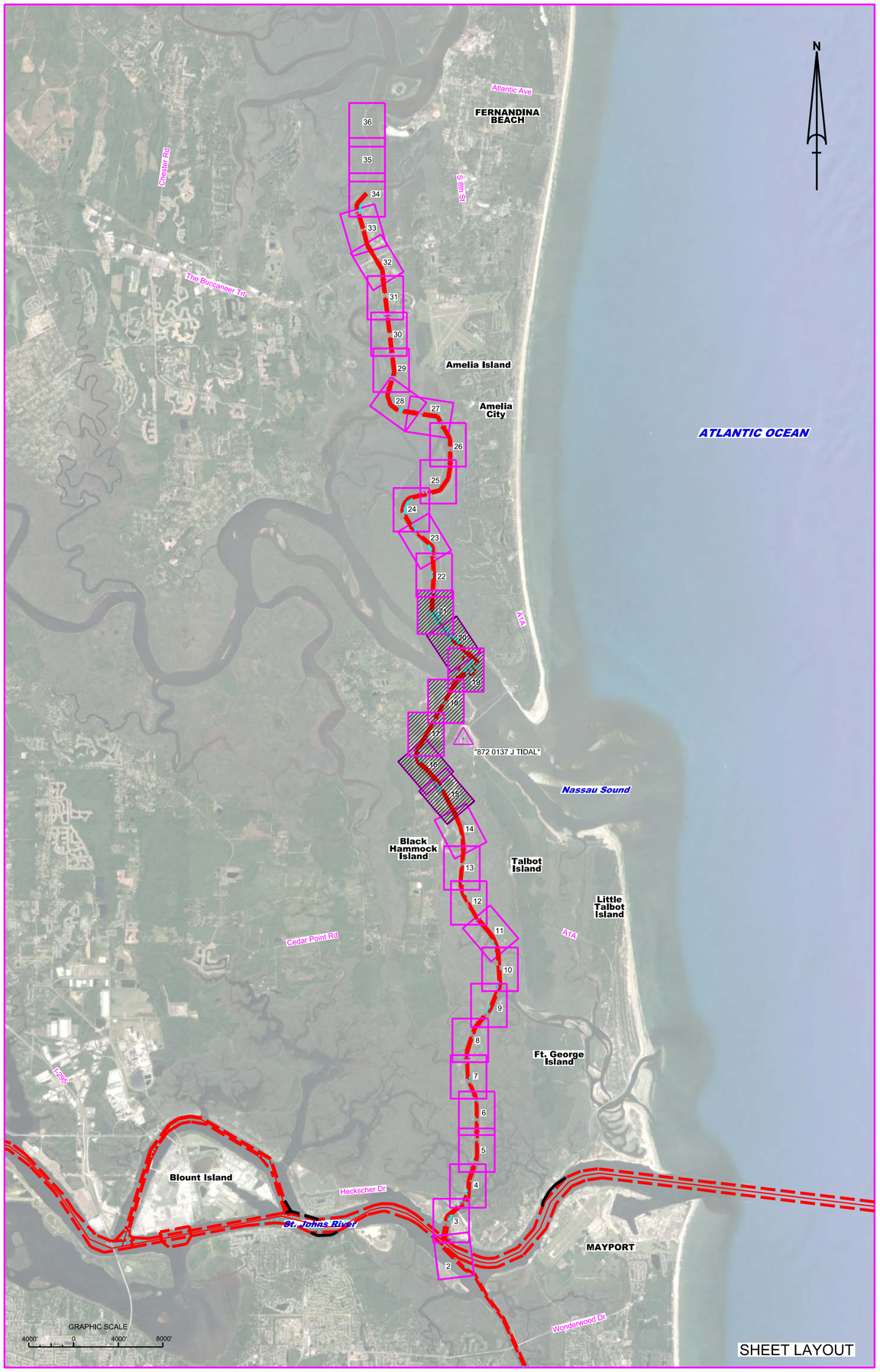
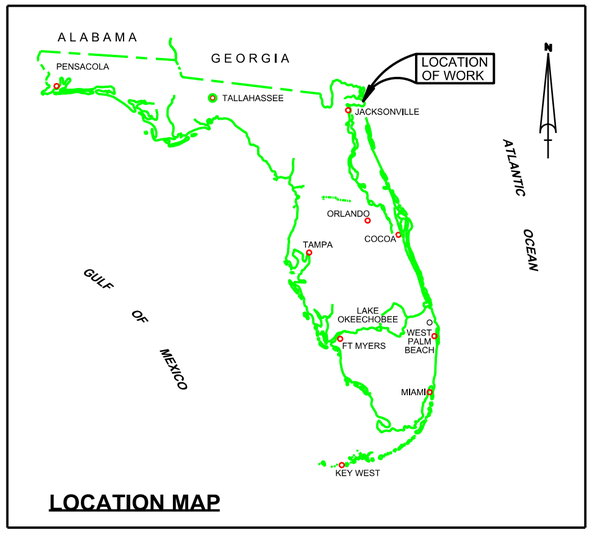




ATLANTIC INTRACOASTAL WATERWAY (AIWW)
FERNANDINA TO ST. JOHNS RIVER
DUVAL & NASSAU COUNTIES, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY23
CUTS 23 THRU 27D
12-FOOT PROJECT

LEGEND	
△	MONUMENT
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

SURVEY NOTES

1. REFER TO SURVEY NO. 23-134.
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW. TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) AND ARE IN FEET AND TENTHS. A MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW:

   NOAA TIDAL STATION 872-0137 G USED FOR ALL CUTS. (PID: DI0710)
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "CAMDENGA-NASSAU-DUVAL-STJOHNS-FLAGLER_20191202.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "872 0137 J TIDAL" (PID: DI0712)
8. VERTICAL MEASUREMENTS WERE MADE USING A TELEDYNE E20 DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SV WELLS	01 JUN 2023	CUTS 25, 26, 26A & 27
SV WELLS	27 JUN 2023	CUTS 23, 24, 27A, 27B, 27C, 27D

9. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY.
10. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 2013.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: MRM
Cad by: GMR
DWN by: WRM
Inv. No. W912EP-18-B-0003
Dated: JUN 2023

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
JAX HARBOR AT EXTERSION-CAGMCF.DGN
IWW-CAGMCF.DGN
22-134-BS-BROR.DGN
Reference files:
22-134-PH-001.DGN
File name:

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA
DUVAL AND NASSAU COUNTIES

HYDROGRAPHIC EXAM SURVEY FY23
12-FOOT PROJECT

INDEX, LOCATION AND VICINITY

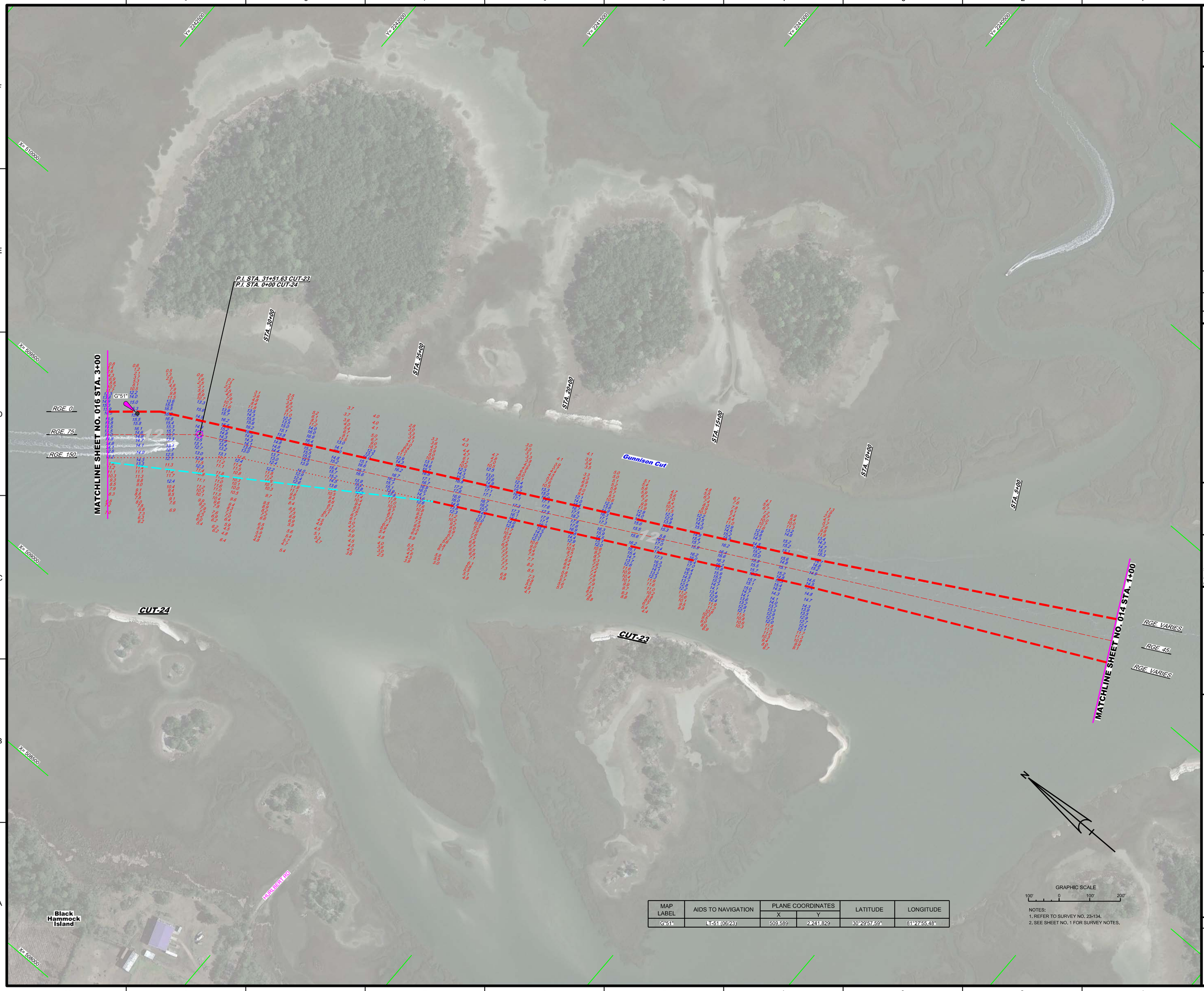
MAP

Scale: AS SHOWN

Drawing no.

1 / 8

SHEET 01 OF 36



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"51"	LT-51 (06/23)	509,589	2,241,829	30°29'57.59"	81°27'55.48"

NOTES:
1. REFER TO SURVEY NO. 23-134.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: MRM
DWN by: MRM
Ckd by: GMR
Proj. No. V0312EP-18-B-0008
Date: JUN 2023

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
23-134A-NAV.DGN
23-134A-SOUN_C22.DGN
23-134A-SOUN_C24.DGN
IWW-C-CNGMCF.DGN
23-134-C-BR-BRDR.DGN
Reference files
23-134-VH-015.DGN
File name:

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO JACKSONVILLE, FLORIDA
DUVAL AND NASSAU COUNTIES

HYDROGRAPHIC EXAM SURVEY FY23
12-FOOT PROJECT

STA. 1+00 CUT-23 THRU STA. 3+00 CUT-24

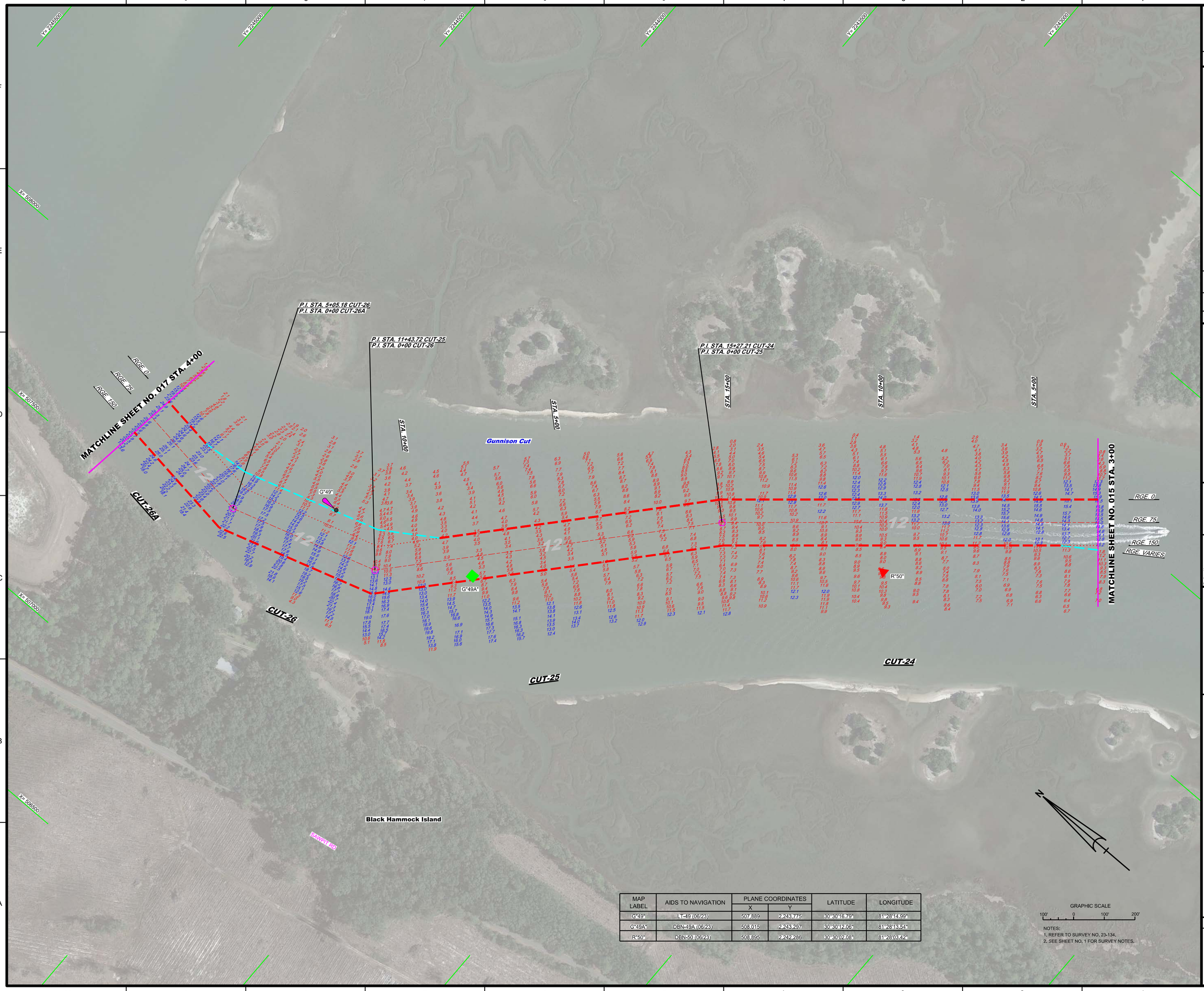
PLAN

Scale: AS SHOWN

Drawing no.

2 / 8

SHEET 15 OF 36



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"49"	LT-49 (06/23)	507,889	2,243,775	30°30'16.79"	81°28'14.99"
G"49A"	DBN-49A (06/23)	508,015	2,243,297	30°30'12.06"	81°28'13.54"
R"50"	DBN-50 (06/23)	508,895	2,242,286	30°30'02.08"	81°28'03.42"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-134.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: VIRM
DWN by: VIRM
Chk by: GMR
Rev. No.: V9123EP-18-8-0000
Date: JUN 2023

23-134-N-NAV.DGN
23-134-N-SOUN_C01.DGN
23-134-N-SOUN_C02.DGN
23-134-N-SOUN_C03.DGN
23-134-N-SOUN_C03-A.DGN
NWN-CNG-MCCF.DGN
23-134-C-BS-BRDR.DGN
Reference files:

23-134-N-WH016.DGN
File name:

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO JACKSONVILLE, FLORIDA
DUVAL AND NASSAU COUNTIES

HYDROGRAPHIC EXAM SURVEY FY23
12-FOOT PROJECT

STA. 3+00 CUT-24 THRU STA. 4+00 CUT-26A

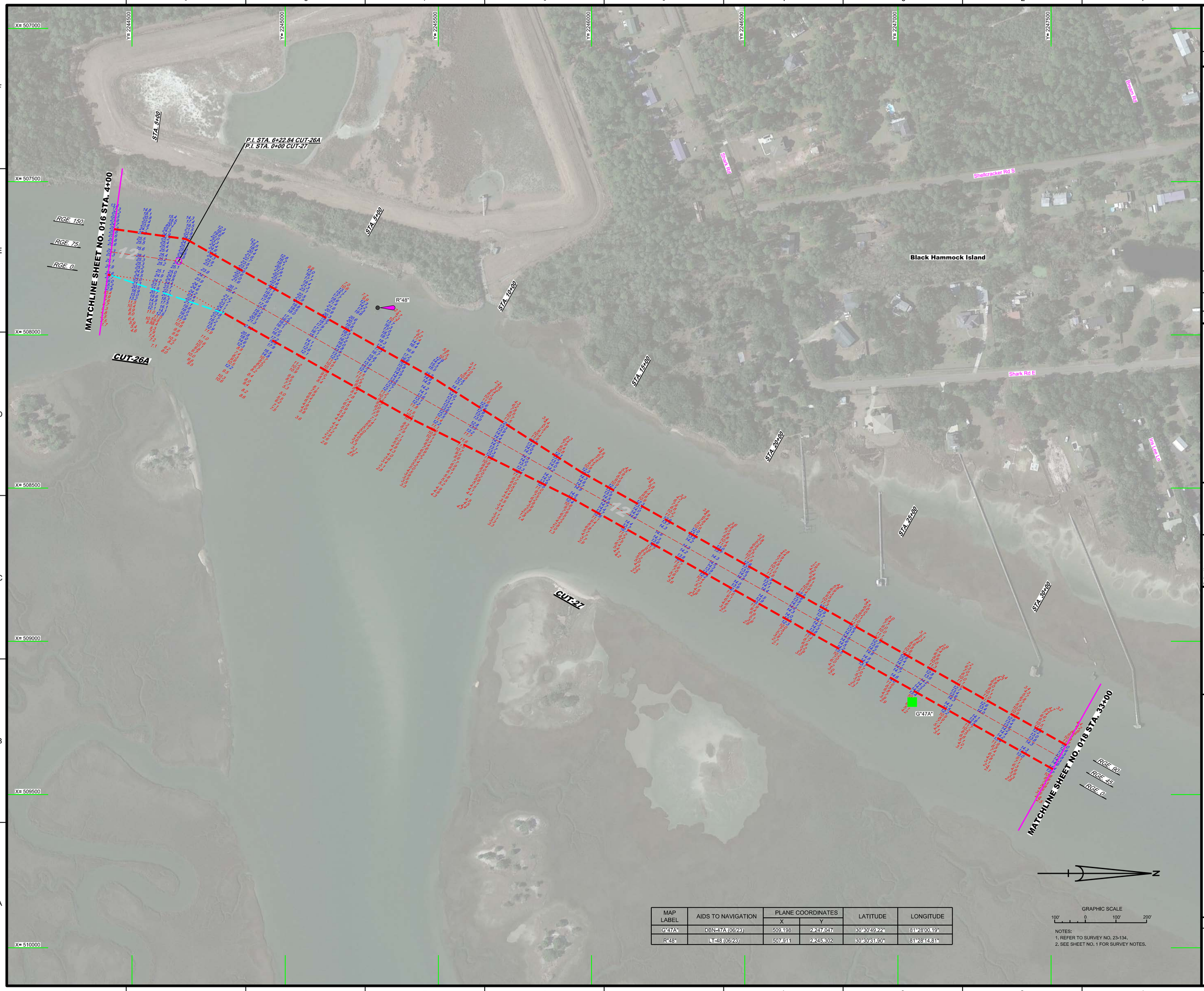
PLAN

Scale: AS SHOWN

Drawing no.

3 / 8

SHEET 16 OF 36



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"47A"	DBN-47A (06/23)	509,198	2,247,047	30°30'49.22"	81°28'00.19"
R"48"	LT-48 (06/23)	507,911	2,245,302	30°30'31.90"	81°28'14.81"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-134.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: VIRM
DWN by: VIRM
Chk by: CMR
Rev. No. V01E2EP-18-8-2005
Date: JUN 2023

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
23-134-V-NAV.DGN
23-134-V-SOUN_CUT-26A.DGN
23-134-V-SOUN_C27.DGN
NWV-CKNGWCCF.DGN
23-134-C-ESHDR.DGN
Reference files:
File name: 23-134-V-H017.DGN

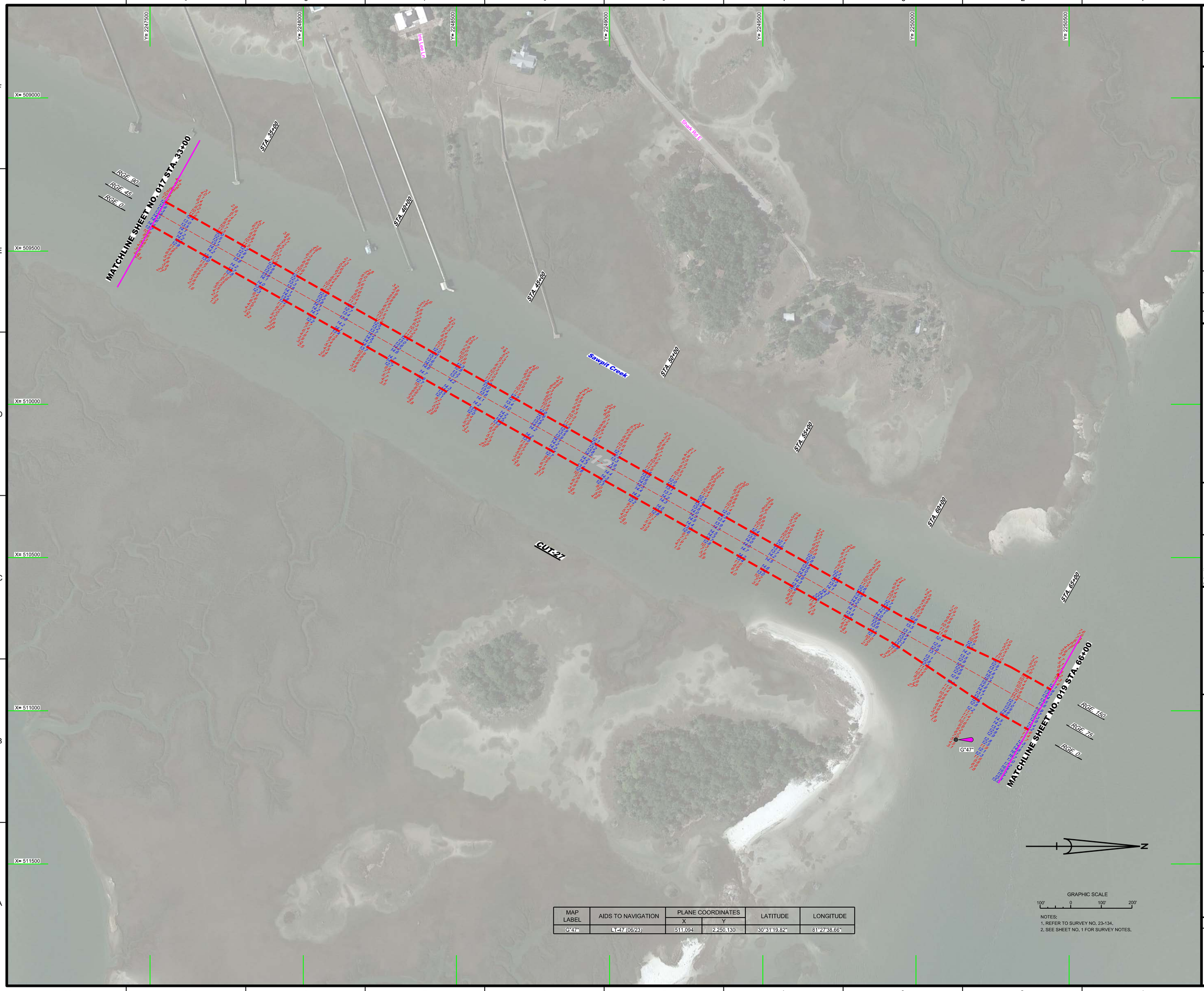
ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO JACKSONVILLE, FLORIDA
DUVAL AND NASSAU COUNTIES

HYDROGRAPHIC EXAM SURVEY FY23
12-FOOT PROJECT
STA. 4+00 CUT-26A THRU STA. 33+00 CUT-27
PLAN

Scale: AS SHOWN

Drawing no.
4 / 8

SHEET 17 OF 36



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"47"	LT-47 (06/23)	511,094	2,250,130	30°31'19.82"	81°27'38.66"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-134.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. | Symbol | Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: VIRM
DWN by: VIRM
Chkd by: CMR
Rev. No. V912EP-18-E-0005
Date: JUN 2023

XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
23-134-VSOUN_CZT.DGN
NWW-CANGMCCF.DGN
23-134-PES-BNDR.DGN
Reference files:

23-134-VHD18.DGN
File name:

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO JACKSONVILLE, FLORIDA
DUVAL AND NASSAU COUNTIES

HYDROGRAPHIC EXAM SURVEY FY23
12-FOOT PROJECT

STA. 33+00 THRU STA. 66+00 CUT-27

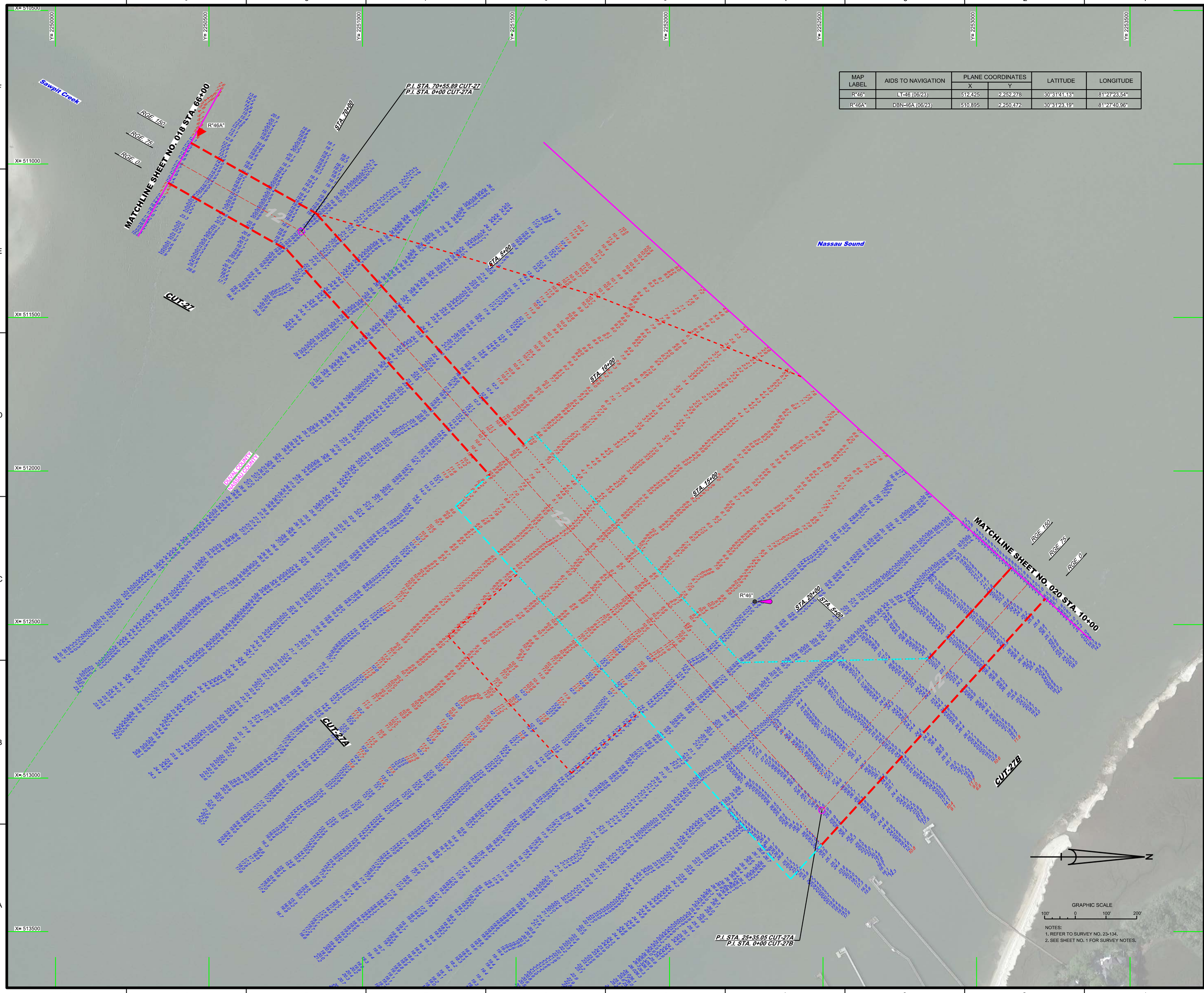
PLAN

Scale: AS SHOWN

Drawing no.

5 / 8

SHEET 18 OF 36



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"46"	LT-46 (06/23)	512,425	2,252,278	30°31'41.13"	81°27'23.54"
R"46A"	DBN-46A (06/23)	510,895	2,250,472	30°31'23.19"	81°27'40.96"

NOTES:
1. REFER TO SURVEY NO. 23-134.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: VIRM
Drawn by: VIRM
Checked by: CMR
Rev. No.: V9123EP-18-8-2023
Date: JUN 2023

23-134-V-NAV.DGN
23-134-V-SOUN_C27.DGN
23-134-V-SOUN_C27A.DGN
23-134-V-SOUN_C27B.DGN
NWV-CKGNCCF.DGN
23-134-P-SHORLD.DGN
Reference files:
23-134-V-H019.DGN
File name:

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA BEACH TO JACKSONVILLE, FLORIDA
DUVAL AND NASSAU COUNTIES

HYDROGRAPHIC EXAM SURVEY FY23
12-FOOT PROJECT

STA. 66+00 CUT-27 THRU STA. 10+00 CUT-27B

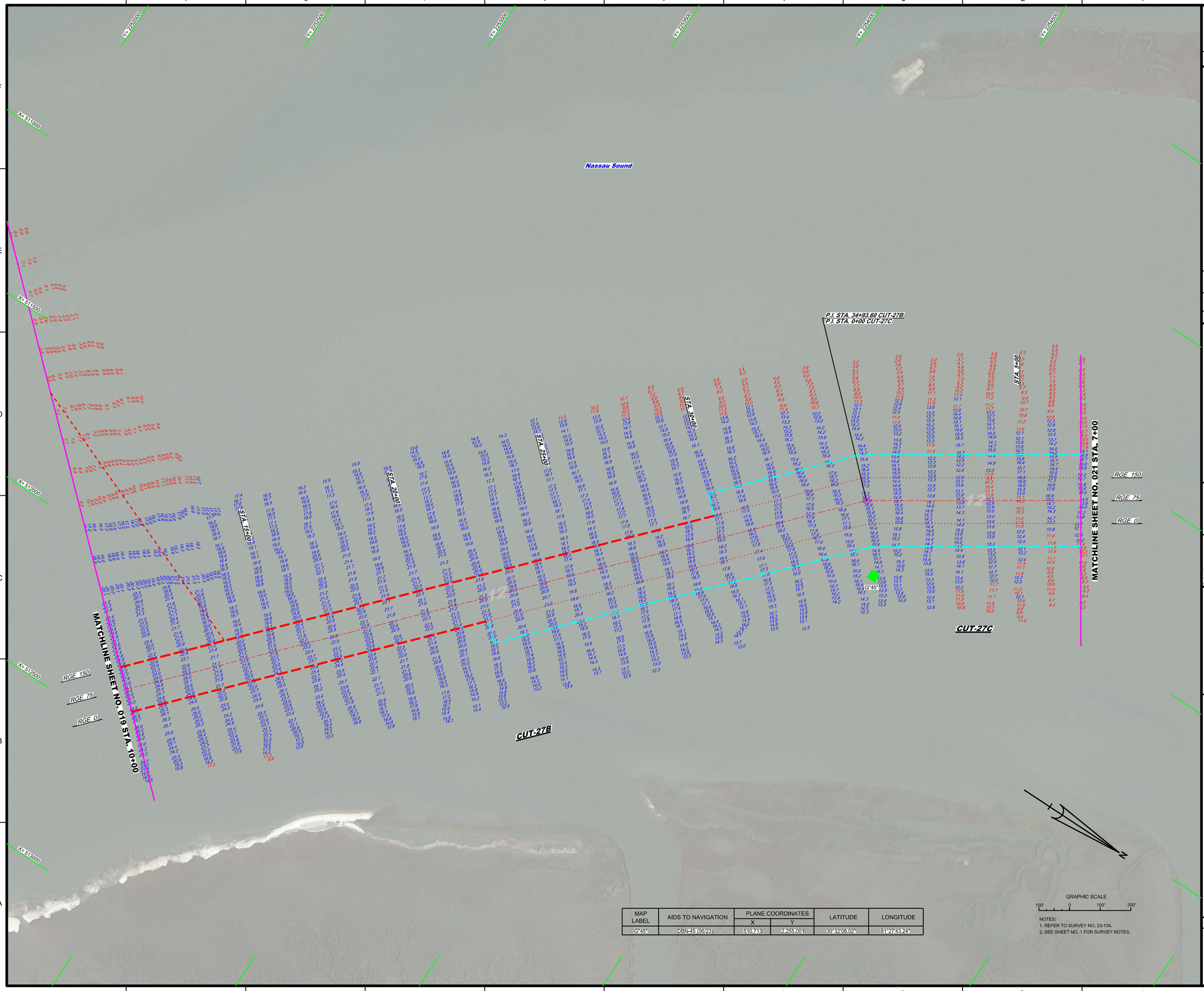
PLAN

Scale: AS SHOWN

Drawing no.

6 / 8

SHEET 19 OF 36



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"45"	DBN-45 (06/23)	510,713	2,255,001	30°32'08.02"	81°27'43.24"

NOTES:
1. REFER TO SURVEY NO. 23-134.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: WRM
Drawn by: WRM
Checked by: GMR
File No. V6312EP-18-B-0008
Date: JUN 2023

23-134X-NAV.DGN
23-134A-SOUL_C27A.DGN
23-134A-SOUL_C27B.DGN
23-134A-SOUL_C27C.DGN
IWW-CONGMCF.DGN
23-134C-BR-BRDR.DGN
Reference files
23-134X-Hot20.DGN
File name:

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA BEACH TO JACKSONVILLE, FLORIDA
DUVAL AND NASSAU COUNTIES

HYDROGRAPHIC EXAM SURVEY FY23
12-FOOT PROJECT

STA. 10+00 CUT-27B THRU STA. 7+00 CUT-27C

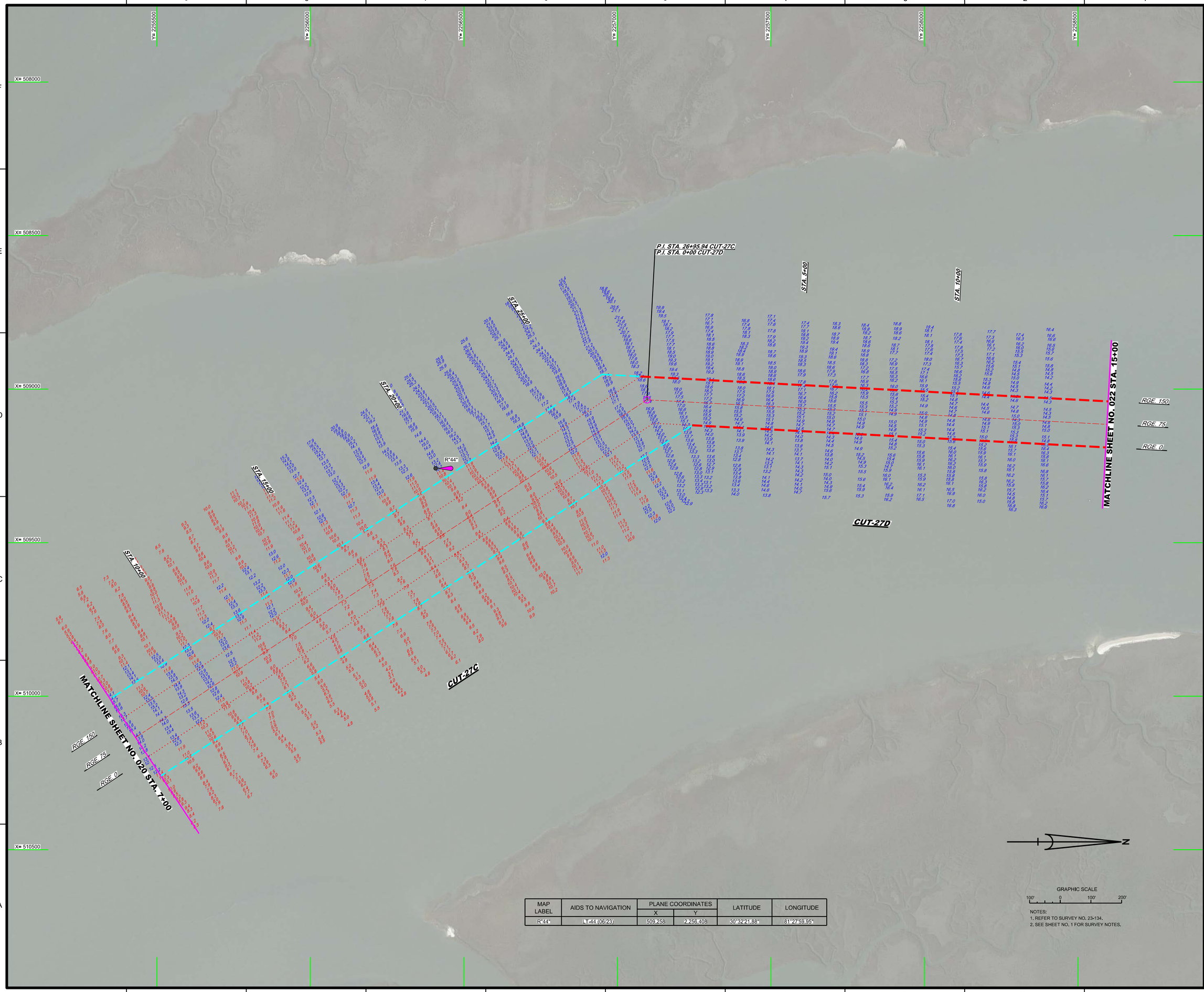
PLAN

Scale: AS SHOWN

Drawing no.

7 / 8

SHEET 20 OF 36



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"44"	LT-44 (06/23)	509,258	2,256,408	30°32'21.88"	81°27'59.95"

NOTES:
1. REFER TO SURVEY NO. 23-134.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: VIRM
DWN by: VIRM
Ckd by: GMR
Rev. No.: V912EP-18-8-006
Date: JUN 2023

23-134-NAV.DGN
23-134-SOUN_CUT27C.DGN
23-134-SOUN_C27D.DGN
IWW-C-NGMCCF.DGN
23-134-CES-BRDR.DGN
Reference files:
23-134-VH021.DGN
File name:

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA BEACH TO JONES BEACH, FLORIDA
DUVAL AND NASSAU COUNTIES

HYDROGRAPHIC EXAM SURVEY FY23
12-FOOT PROJECT

STA. 7+00 CUT-27C THRU STA. 15+00 CUT-27D

PLAN

Scale: AS SHOWN

Drawing no.

8 / 8

SHEET 21 OF 36